

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
14 October 2004 (14.10.2004)

PCT

(10) International Publication Number  
**WO 2004/087760 A1**

(51) International Patent Classification<sup>7</sup>: **C07K 16/10**, 16/00, 14/18, C12N 5/20, 7/00, A61K 39/42, G01N 33/576, A61K 39/29

(21) International Application Number:  
**PCT/EP2004/003412**

(22) International Filing Date: 31 March 2004 (31.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
03 290 822.0 1 April 2003 (01.04.2003) EP

(71) Applicants (*for all designated States except US*): IN-SERM (INSTITUT NATIONAL DE LA SANTE DE LA RECHE RECHE MEDICALE) [FR/FR]; 101, rue de Tolbiac, F-75654 Paris Cedex 13 (FR). BIOMERIEUX SA [FR/FR]; 376, chemin de l'Orme, F-69280 Marcy-l'Etoile (FR).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): PETIT, Marie-Anne [FR/FR]; 65, rue Guy de Maupassant, F-69500 Bron (FR). JOLIVET-REYNAUD, Colette [FR/FR]; Les Cèdres, 29, route Nationale, F-69720 Saint Bonnet de Mure (FR).

(74) Agents: GROSSET-FOURNIER, Chantal et al.; Grosset-Fournier & Demachy Sàrl, 54, rue Saint-Lazare, F-75009 Paris (FR).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

---

(54) Title: ANTIBODIES DIRECTED AGAINST HEPATITIS C VIRUS E1E2 COMPLEX, COMPOSITIONS OF HCV PARTICLES, AND PHARMACEUTICAL COMPOSITIONS

(57) Abstract: The present invention relates to new conformational antibodies directed against HCV and more particularly to monoclonal antibodies. The invention also relates to compositions of particles liable to be recognized by said antibodies, and to pharmaceutical compositions containing them. The invention also relates to HCV enveloped subviral particles or purified HCV enveloped complete viral particles, and the processes for preparing them.

WO 2004/087760 A1